ASBESTOS SURVEY FINDINGS FOR THE CAMP NAVAJO 200 AREAS

General: The information provided within is extracted copies from a 1990 Study. This data is the property of the Camp Navajo Facilities Engineering office. The actual study findings are that of The Pickering Environmental Consultants Inc.

This information is provided for potential "Enhanced Use Leasing" informational needs only. The structures identified are the only ones in the Camp Navajo 200 Area that are known at this time to have asbestos issues or to our knowledge have not been abated of asbestos since the 1990 study. Bulk sampling, laboratory results, and homogeneous area data sheets are not provided here but can be made available upon request.

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1. **General Information Sheet**
   - **Building 203 Data**
   - **Building 213 Data**
   - **Building 214 Data**
   - **Building 220 Data**
   - **Building 241 Data**

Glenn Wood, Glenn Wood
Asbestos Management Planner
Camp Navajo, Engineering (928) 773-3253

FACILITY: Building #203

SQUARE FEET: 376

FINDINGS:

Building #203 is a wood structure built on a concrete foundation and a shingle roof.

CAB: The exterior of building #203 is CAB shingles, containing 35% chrysotile. This material covers 144 square feet, is nonfriable and is in good condition.

RECOMMENDATIONS:

The CAB is a nonfriable material and requires no immediate action. It should be included in the management plan for periodic monitoring.

ABATEMENT OPERATIONAL PLAN:

If the CAB on the exterior of this building is abated, it would require removal by hand to keep the panels intact. Estimated time for removal is five days.

R

UNIT COST ESTIMATE DATE: DEC. 1990 SHEET 1 of 1

PROJECT: NAVAJO ARMY DEPOT
LOCATION: BUILDING 203
A/E: PICKERING ENVIRONMENTAL

BASIS FOR ESTIMATE
X CODE A (NO DESIGN COMPLETED)
_ CODE B (PRELIMINARY DESIGN)
_ CODE C (FINAL DESIGN)
_ OTHER (SPECIFY) _____

SPEC No. ESTIMATOR: R.F. CHECKED BY: K.V.

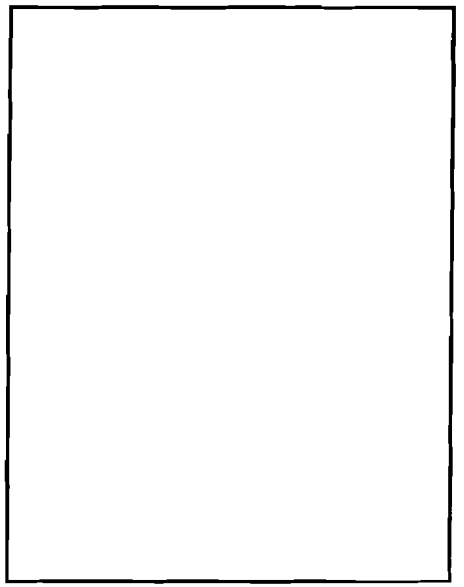
ITEM No.	DESCRIPTION	ESTIM. QUANITY	UNITS	UNIT COST	TOTAL COST
	** FRIABLE MATERIAL **				
1					$0
2					$0
3					$0
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	0	DAY	$425.00	$0
9	CONTINGENCY			10%	$0
10	SUPERVISION AND ADMINISTRATION			8%	$0
			FRIABLE TOTAL		$0
	** NON-FRIABLE MATERIAL **				
1	TRANSITE SHINGLES	144	S.F	$5.00	$720
2					$0
3					$0
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	5	DAY	$425.00	$2,130
9	CONTINGENCY			10%	$290
10	SUPERVISION AND ADMINISTRATION			8%	$230
			NON-FRIABLE TOTAL		$3,400
				GRAND TOTAL	$3,400

ALL UNIT COSTS INCLUDE ABATMENT AND REPLACEMENT COSTS

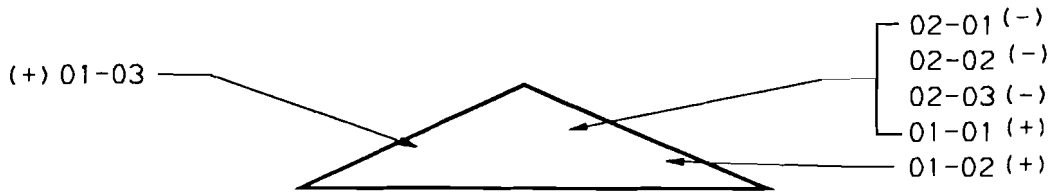
SPK FORM 56 (TEST)
1 DEC 84

AREA 01-TRANSITE SHINGLES

NOTE:
NO SUSPECT MATERIAL INSIDE.
TRANSITE SHINGLES ON GABLES ONLY.



FLOOR PLAN



ROOF GABLE

NAVAJO D.A.

PICKERING ENVIRONMENTAL ASBESTOS SURVEY	FACILITY ENGINEER TOOELE ARMY DEPOT TOOELE, UTAH

BLDG. 203

DATE: DECEMBER 1990

FACILITY: Building #213

SQUARE FEET: 800

FINDINGS:

Building #213 is a wood structure built on a concrete foundation.

CAB: The southeast office contains six square feet of asbestos containing wallboard. This material contains 65% chrysotile and is in good condition with no physical damage.

Interior walls and ceilings have 2,000 square feet of pressed board that contains 3% chrysotile. This material is in poor condition with greater than 10% water damage.

The southwest office contains 60 square feet of corrugated transite panels. These panels contain 25-30% chrysotile and are in good condition.

The exterior of Building 213 has 960 square feet of transite panel. These panels are in very good condition with a low potential for damage.

NEGATIVE MATERIALS: Other materials that were sampled and proven to be a non-asbestos containing material are window caulking, gypsum in the southeast office, particle board on the interior walls and tar paper underneath the exterior transite.

RECOMMENDATIONS:

The interior walls identified as containing asbestos on the drawing should be repaired. The remaining CAB material is nonfriable, in good condition and requires no immediate action. It should be placed under the management plan to monitor any further damage that may occur.

ABATEMENT OPERATIONAL PLAN:

NONFRIABLE ABATEMENT: Building #213 does not have permanent occupants. Abatement of the CAB interior walls and panels would have to be done under containment procedures. Abatement of the exterior CAB siding would have to be done by hand and placed in bags or wrapped in poly. Estimated time for removal is 10 days.

FRIABLE ABATEMENT: Should the pressed board on the interior walls be removed, it would have to be done under containment procedures. Estimated time for removal is five days.

R

UNIT COST ESTIMATE DATE: DEC. 1990 SHEET 1 of 1

PROJECT: NAVAJO ARMY DEPOT
LOCATION: BUILDING 213
A/E: PICKERING ENVIRONMENTAL

BASIS FOR ESTIMATE
X CODE A (NO DESIGN COMPLETED)
_ CODE B (PRELIMINARY DESIGN)
_ CODE C (FINAL DESIGN)
_ OTHER (SPECIFY)_____

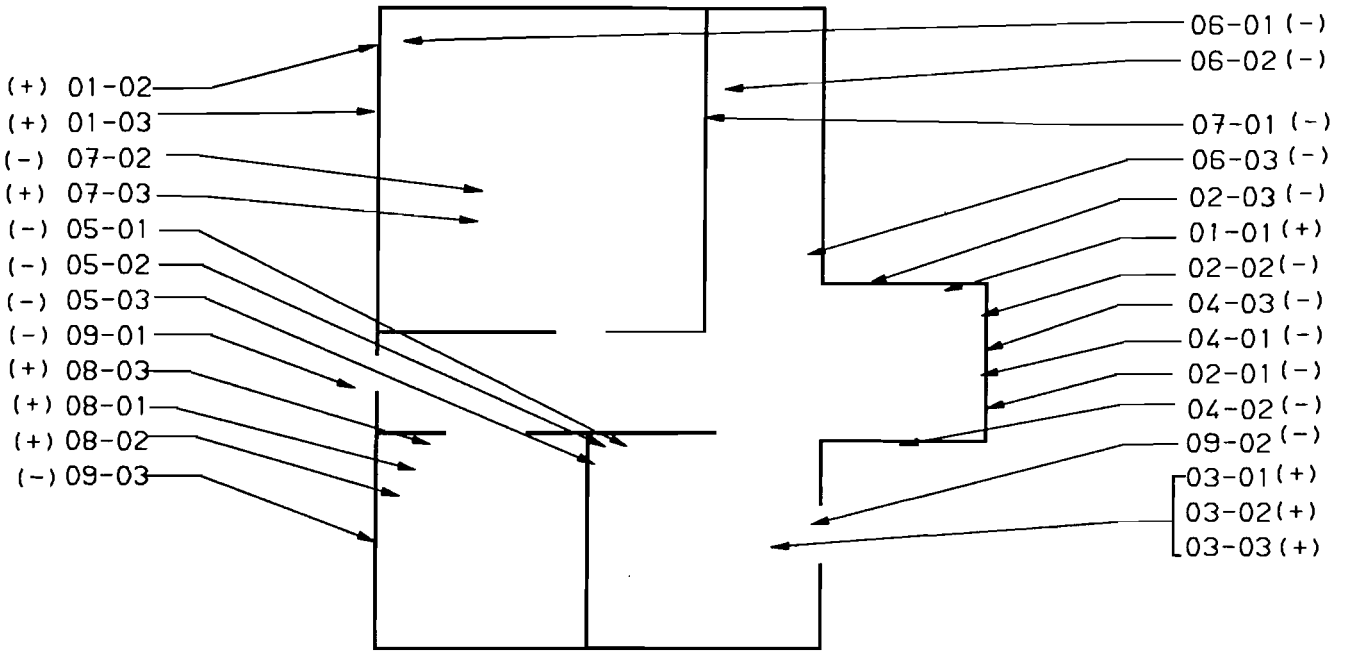
SPEC No. ESTIMATOR: R.F. CHECKED BY: K.V.

ITEM No.	DESCRIPTION	ESTIM. QUANITY	UNITS	UNIT COST	TOTAL COST
	** FRIABLE MATERIAL **				
1	PRESS BOARD	2000	S.F.	$5.00	$10,000
2					$0
3					$0
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	5	DAY	$425.00	$2,130
9	CONTINGENCY			10%	$1,210
10	SUPERVISION AND ADMINISTRATION			8%	$970
				FRIABLE TOTAL	$14,300
	** NON-FRIABLE MATERIAL **				
1	TRANSITE SIDING	960	S.F	$5.00	$4,800
2	CORRUGATED TRANSITE	60	S.F	$5.00	$300
3	PRESS BOARD	6	S.F.	$5.00	$30
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	10	DAY	$425.00	$4,250
9	CONTINGENCY			10%	$940
10	SUPERVISION AND ADMINISTRATION			8%	$750
				NON-FRIABLE TOTAL	$11,100
				GRAND TOTAL	$25,400

ALL UNIT COSTS INCLUDE ABATMENT AND REPLACEMENT COSTS

SPK FORM 56 (TEST)
1 DEC 84

AREA 01-TRANSITE
03-TRANSITE
07-PRESS BOARD



FLOOR PLAN

NAVAJO D.A.	
PICKERING ENVIRONMENTAL ASBESTOS SURVEY	FACILITY ENGINEER TOOELE ARMY DEPOT TOOELE, UTAH
BLDG. 213	
DATE: DECEMBER 1990	

FACILITY: Building #214

SQUARE FEET: 14,415

FINDINGS:

Building #214 is a wood structure warehouse built on a concrete slab.

CAB: The exterior of this building has 8,square feet of CAB siding in very good condition. This material contains 20% chrysotile and has a low potential for damage. The tar paper underneath the siding contains 3% actinolite, 5% chrysotile and 40% tremolite. This material is also in very good condition with a low potential for damage.

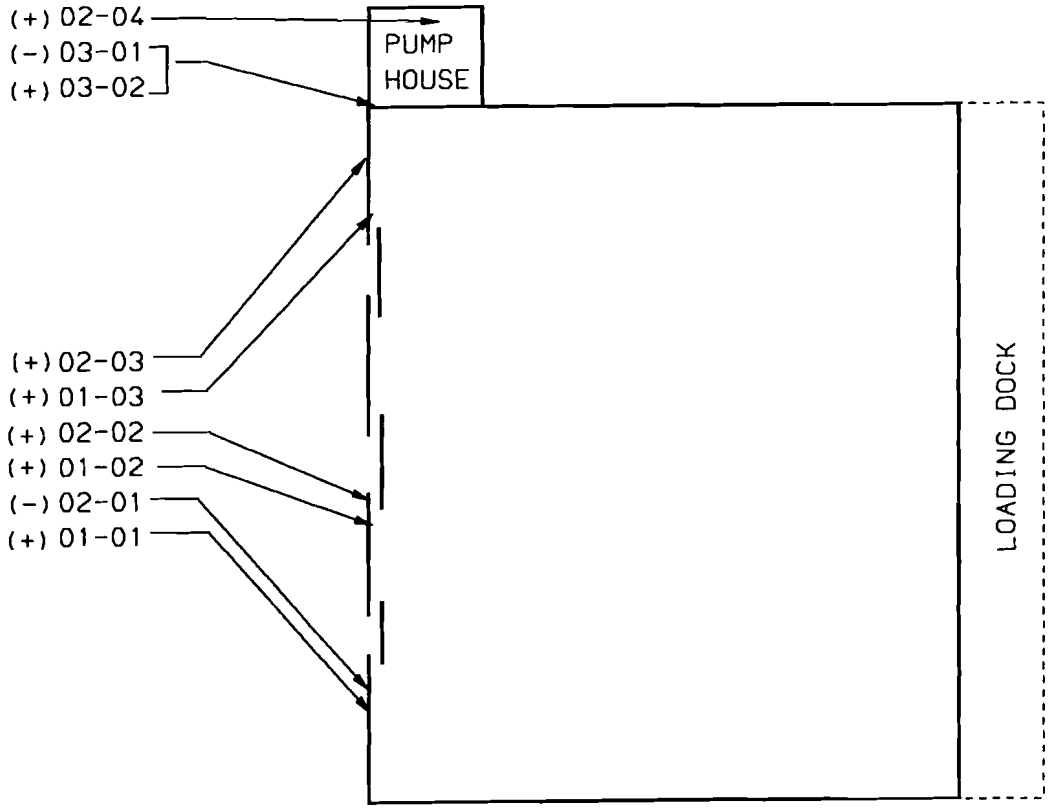
MISCELLANEOUS MATERIAL: Exterior caulking compound was sampled around to contain 5% chrysotile and 40% tremolite. This material is in fair condition with a low potential for damage and has moderate accessibility.

RECOMMENDATIONS:

The CAB siding and tar paper backing is a nonfriable material requiring no immediate action. The exterior caulking is also nonfriable and does not require immediate action.

ABATEMENT OPERATIONAL PLAN:

If the CAB siding is removed it would require hand removal of the siding to avoid breaking the tiles. The tar paper backing and exterior caulking can be removed by standard wet techniques. Estimated time for removal is eight days.



AREA 01-TRANSITE SHINGLES
02-TAR PAPER
03-CAULK COMPOUND

FLOOR PLAN

NAVAJO D.A.

PICKERING ENVIRONMENTAL ASBESTOS SURVEY

FACILITY ENGINEER TOOELE ARMY DEPOT TOOELE, UTAH

BLDG. 214

DATE: DECEMBER 1990

R

UNIT COST ESTIMATE DATE: DEC. 1990 SHEET 1 of 1

PROJECT: NAVAJO ARMY DEPOT
LOCATION: BUILDING 214
A/E: PICKERING ENVIRONMENTAL

BASIS FOR ESTIMATE
X CODE A (NO DESIGN COMPLETED)
_ CODE B (PRELIMINARY DESIGN)
_ CODE C (FINAL DESIGN)
_ OTHER (SPECIFY) _____

SPEC No. ESTIMATOR: R.F. CHECKED BY: K.V.

ITEM No.	DESCRIPTION	ESTIM. QUANITY	UNITS	UNIT COST	TOTAL COST
	** FRIABLE MATERIAL **				
1					$0
2					$0
3					$0
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	0	DAY	$425.00	$0
9	CONTINGENCY			10%	$0
10	SUPERVISION AND ADMINISTRATION			8%	$0
				FRIABLE TOTAL	$0
	** NON-FRIABLE MATERIAL **				
1	TRANSITE SIDING	8100	S.F	$5.00	$40,500
2	TAR PAPER	8100	S.F	$2.50	$20,250
3	CAULK COMPOUND	150	L.F	$15.00	$2,250
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	8	DAY	$425.00	$3,400
9	CONTINGENCY			10%	$6,640
10	SUPERVISION AND ADMINISTRATION			8%	$5,310
				NON-FRIABLE TOTAL	$78,400
				GRAND TOTAL	$78,400

ALL UNIT COSTS INCLUDE ABATMENT AND REPLACEMENT COSTS

SPK FORM 56 (TEST)
1 DEC 84

FACILITY: Building #220

SQUARE FEET: 36,424

FINDINGS:

Building #220 is a wood fram warehous with CAB siding, built on a concrete foundation.

CAB: Building #220 has 21,000 square feet of exterior CAB siding that contains 25% chrysotile. This material is in good condition with less than 5% physical damage.

MISCELLANEOUS MATERIAL: Tar paper underneath the CAB siding is in good condition and contains 4% actinolite. Exterior caulking contains 3% tremolite and is in fair condition.

RECOMMENDATIONS:

The CAB siding is a nonfriable material in good condition and should be placed under the management plan and monitored for further damage. The tar paper underneath, although it is considered friable, is also in good condition and does not require immediate action. It and the exterior caulking should also be put under the management plan.

ABATEMENT OPERATIONAL PLAN:

FRIABLE ABATEMENT: If removal of the tar paper underneath the CAB siding is attempted it would have to be done under containment conditions after the CAB siding was removed. There are no permanent occupants in the building.

NONFRIABLE ABATEMENT: If the CAB siding is abated it would require removal by hand and must be placed in bags or wrapped in poly. The exterior caulking could be removed by standard wet techniques and HEPA vacuum. Estimated time for removal is 12 days.

R

UNIT COST ESTIMATE DATE: DEC. 1990 SHEET 1 of 1

PROJECT: NAVAJO ARMY DEPOT
LOCATION: BUILDING 220
A/E: PICKERING ENVIRONMENTAL

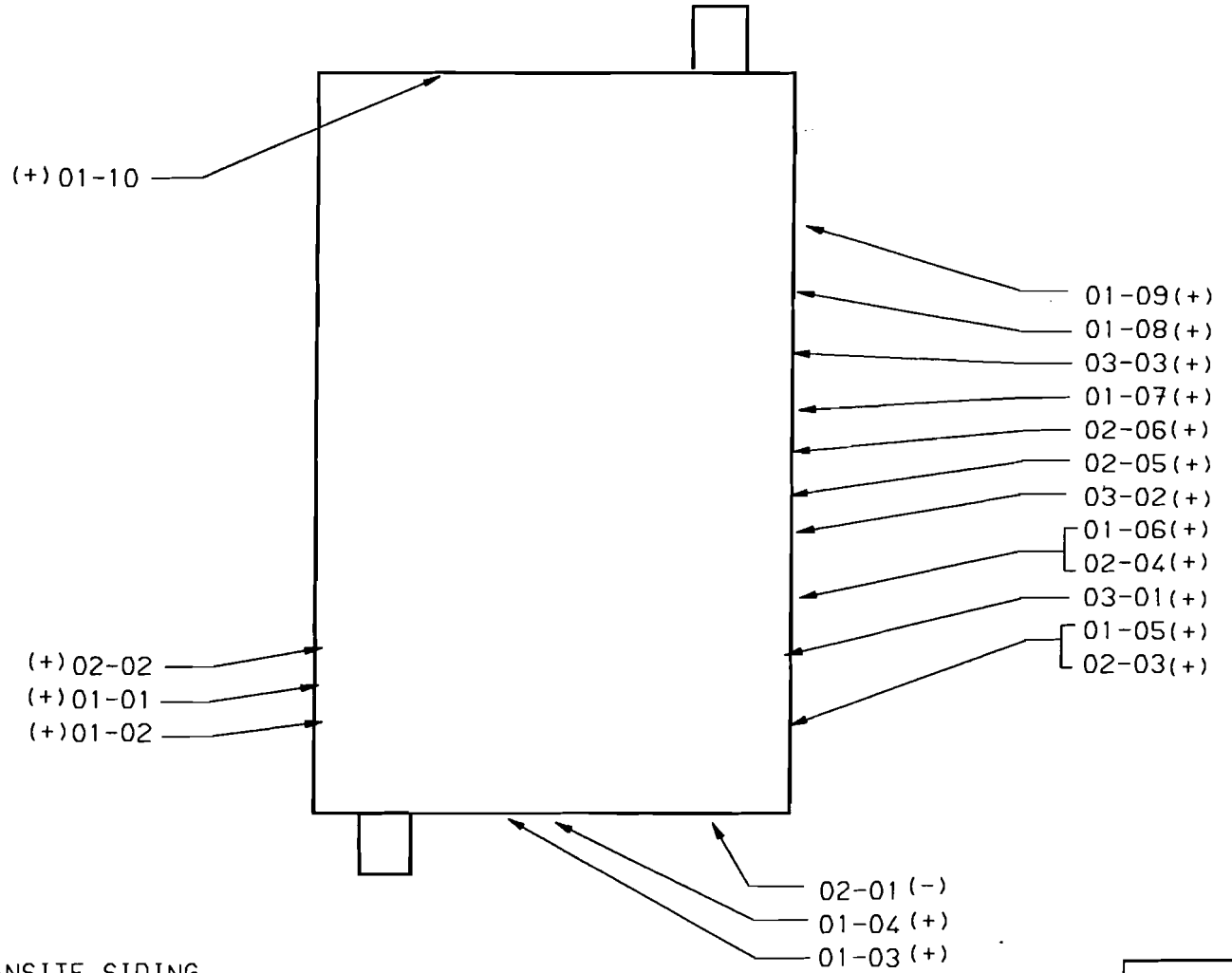
BASIS FOR ESTIMATE
X CODE A (NO DESIGN COMPLETED)
_ CODE B (PRELIMINARY DESIGN)
_ CODE C (FINAL DESIGN)
_ OTHER (SPECIFY) _____

SPEC No. ESTIMATOR: R.F. CHECKED BY: K.V.

ITEM No.	DESCRIPTION	ESTIM. QUANITY	UNITS	UNIT COST	TOTAL COST
	** FRIABLE MATERIAL **				
1	TAR PAPER	21000	S.F.	$2.50	$52,500
2	CAULK	3000	L.F.	$3.00	$9,000
3					$0
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	3	DAY	$425.00	$1,280
9	CONTINGENCY			10%	$6,280
10	SUPERVISION AND ADMINISTRATION			8%	$5,020
				FRIABLE TOTAL	$74,100
	** NON-FRIABLE MATERIAL **				
1	TRANSITE SIDING	21000	S.F	$5.00	$105,000
2					$0
3					$0
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	12	DAY	$425.00	$5,100
9	CONTINGENCY			10%	$11,010
10	SUPERVISION AND ADMINISTRATION			8%	$8,810
				NON-FRIABLE TOTAL	$129,900
				GRAND TOTAL	$204,000

ALL UNIT COSTS INCLUDE ABATEMENT AND REPLACEMENT COSTS

SPK FORM 56 (TEST)
1 DEC 84



AREA 01-TRANSITE SIDING
02-TRANSITE SHINGLES
03-CAULK

FLOOR PLAN

NAVAJO D.A.

PICKERING ENVIRONMENTAL ASBESTOS SURVEY	FACILITY ENGINEER TOOELE ARMY DEPOT TOOELE, UTAH

BLDG. 220

DATE: DECEMBER 1990

FACILITY: Building #241

SQUARE FEET: 203,308

FINDINGS:

This is a concrete block structure with a built-up roof on a concrete foundation.

CAB: The CAB siding in the sprinkler rooms contain 25% chrysotile and is in good condition. There is 1200 square feet of this material.

The ceiling throughout the warehouse contains 1% tremolite. There is 200,000 square feet of this material, in very good condition.

RECOMMENDATIONS:

The CAB siding in the sprinkler rooms is a nonfriable material and requires no immediate action. The ceiling material is also nonfriable and requires no immediate action. Both materials should be included in the management plan.

ABATEMENT OPERATIONAL PLAN:

NONFRIABLE MATERIAL: Removal of the ceiling in the warehouse would require occupants in the area of the removal to vacate until the abatement is finished. All material would have to be removed under containment procedures. Estimated time for removal is 15 days.

R

UNIT COST ESTIMATE DATE: DEC. 1990 SHEET 1 of 1

PROJECT: NAVAJO ARMY DEPOT
LOCATION: BUILDING 241
A/E: PICKERING ENVIRONMENTAL

BASIS FOR ESTIMATE
X CODE A (NO DESIGN COMPLETED)
_ CODE B (PRELIMINARY DESIGN)
_ CODE C (FINAL DESIGN)
_ OTHER (SPECIFY) _____

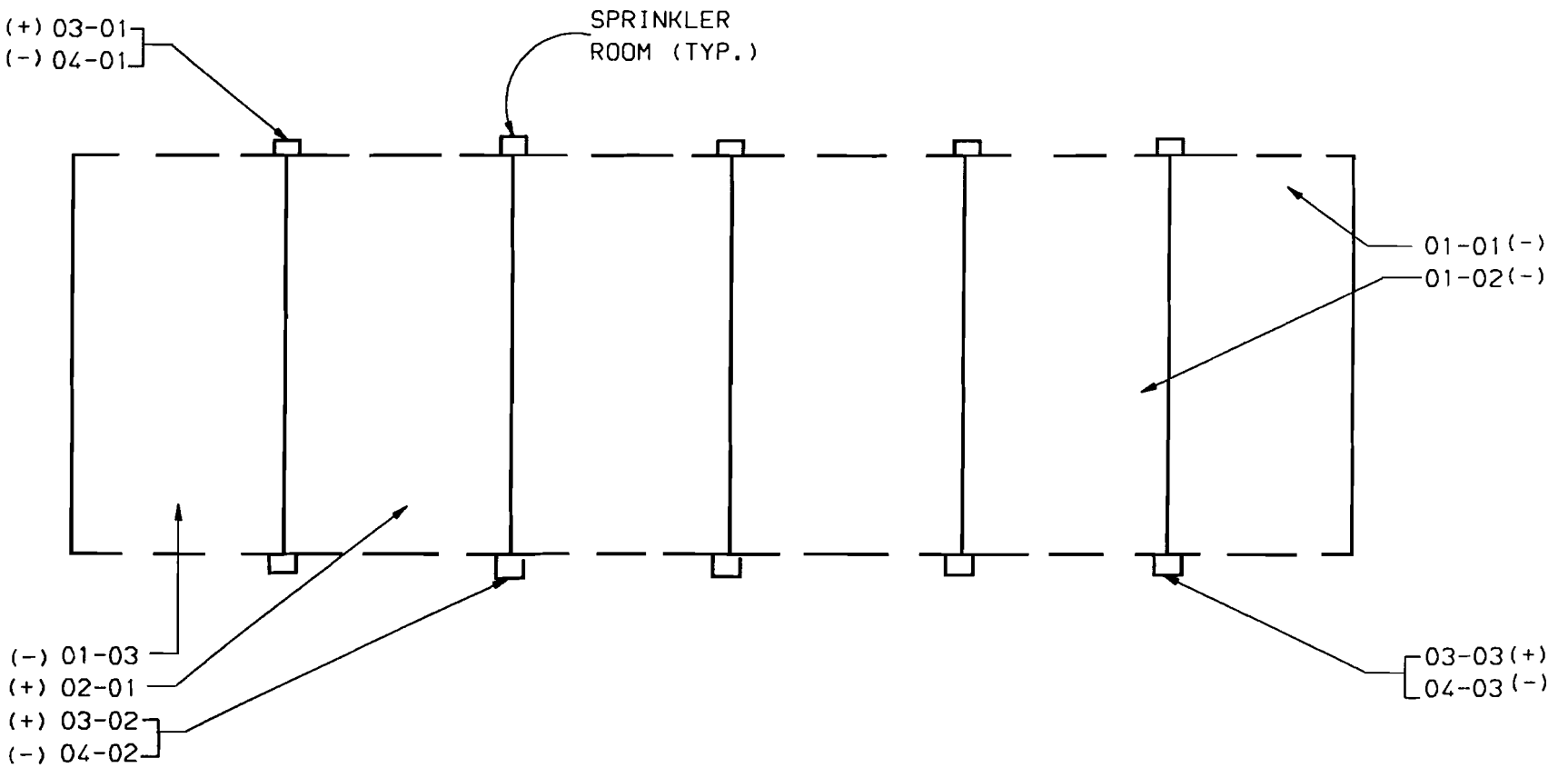
SPEC No. ESTIMATOR: R.F. CHECKED BY: K.V.

ITEM No.	DESCRIPTION	ESTIM. QUANITY	UNITS	UNIT COST	TOTAL COST
	** FRIABLE MATERIAL **				
1	DRYWALL CEILING	20000	S.F	$20.00	$400,000
2					$0
3					$0
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	15	DAY	$425.00	$6,380
9	CONTINGENCY			10%	$40,640
10	SUPERVISION AND ADMINISTRATION			8%	$32,510
			FRIABLE TOTAL		$479,500
	** NON-FRIABLE MATERIAL **				
1	TRANSITE SIDING	1200	S.F	$5.00	$6,000
2					$0
3					$0
4					$0
5					$0
6					$0
7					$0
8	AIR MONITORING	2	DAY	$425.00	$850
9	CONTINGENCY			10%	$690
10	SUPERVISION AND ADMINISTRATION			8%	$550
			NON-FRIABLE TOTAL		$8,100
				GRAND TOTAL	$487,600

ALL UNIT COSTS INCLUDE ABATEMENT AND REPLACEMENT COSTS

SPK FORM 56 (TEST)
1 DEC 84

AREA 02-SHEETROCK CEILING
03-CAB SIDING



FLOOR PLAN

NAVAJO D.A.

PICKERING ENVIRONMENTAL ASBESTOS SURVEY

FACILITY ENGINEER
TOOELE ARMY DEPOT
TOOELE, UTAH

BLDG. 241

DATE: DECEMBER 1990